

RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000000000		FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000000000		FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000000000		FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNNNNN	NNN	000	000	FFF	FFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRRRRRRRRRRR		UUU		UUU	NNN	NNN	000	000	FFFFFFFFFFFFFF	FFFFFFFFFFFFFF
RRR	RRR	UUU		UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNNNNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUU		UUU	NNN	NNN	000	000	FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	000000000		FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	000000000		FFF	FFF
RRR	RRR	UUUUUUUUUUUUUUUU		UUUUUUUUUUUUUUUU	NNN	NNN	000000000		FFF	FFF

PPPPPPPP		AAAAAA		GGGGGGGG	MM	MM	RRRRRRRR		GGGGGGGG	
PPPPPPPP		AAAAAA		GGGGGGGG	MM	MM	RRRRRRRR		GGGGGGGG	
PP	PP	AA	AA	GG	MMM	MMM	RR	GG		
PP	PP	AA	AA	GG	MMM	MMM	RR	GG		
PP	PP	AA	AA	GG	MM	MM	RR	GG		
PP	PP	AA	AA	GG	MM	MM	RR	GG		
PPPPPPPP		AA	AA	GG	MM	MM	RRRRRRRR	GG		
PPPPPPPP		AA	AA	GG	MM	MM	RRRRRRRR	GG		
PP		AAAAAAAAAA		GG	GGGGGG	MM	MM	RR	RR	GGGGGG
PP		AAAAAAAAAA		GG	GGGGGG	MM	MM	RR	RR	GGGGGG
PP		AA	AA	GG	GG	MM	MM	RR	RR	GG
PP		AA	AA	GG	GG	MM	MM	RR	RR	GG
PP		AA	AA		GGGGGG	MM	MM	RR	RR	GGGGGG
PP		AA	AA		GGGGGG	MM	MM	RR	RR	GGGGGG

```

LL          IIIIII          SSSSSSSS
LL          IIIIII          SSSSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SSSSSS
LL          II             SSSSSS
LL          II             SS
LL          II             SS
LL          II             SS
LL          II             SS
LLLLLLLLLLLL IIIIII          SSSSSSSS
LLLLLLLLLLLL IIIIII          SSSSSSSS

```

.....


```
1 0001 0 MODULE PAGMRG (IDENT = 'V04-000'
2 0002 0 %BLISS32[,ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE,NONEXTERNAL=LONG_RELATIVE)]
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY:
32 0032 1 DSR (Digital Standard RUNOFF) /DSRPLUS DSRINDEX/INDEX Utility
33 0033 1
34 0034 1 ABSTRACT: Compares page numbers to see if they can be merged.
35 0035 1
36 0036 1 ENVIRONMENT: Transportable
37 0037 1
38 0038 1 AUTHOR: R. W. Friday
39 0039 1
40 0040 1 CREATION DATE: May, 1979
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1 002 JPK00024 23-May-1983
44 0044 1 Modified lowercasing algorithm in PERMUTE. Now lowercase only
45 0045 1 if word contains only 1 letter or if second letter in word is
46 0046 1 lowercase. Picked up modules PAGMRG and POOL from DSR/DSRPLUS
47 0047 1 since they are no longer used by DSR/DSRPLUS.
48 0048 1
49 0049 1 --
50 0050 1
51 0051 1
52 0052 1 TABLE OF CONTENTS
53 0053 1
54 0054 1
55 0055 1 FORWARD ROUTINE
56 0056 1 PAGMRG;
57 0057 1
```



```

: 58      0058 1 |
: 59      0059 1 | INCLUDE FILES:
: 60      0060 1 |
: 61      0061 1 |
: 62      0062 1 | LIBRARY 'NXPORT:XPORT';
: 63      0063 1 |
: 64      0064 1 | REQUIRE 'REQ:PAGEN';
: 65      0145 1 |
: 66      0146 1 |
: 67      0147 1 | MACROS:
: 68      0148 1 |
: 69      0149 1 | EQUATED SYMBOLS:
: 70      0150 1 |
: 71      0151 1 |
: 72      0152 1 | LITERAL
: 73      0153 1 |     TRUE = 1
: 74      0154 1 |     FALSE = 0;
: 75      0155 1 |
: 76      0156 1 |
: 77      0157 1 | OWN STORAGE:
: 78      0158 1 |
: 79      0159 1 |
: 80      0160 1 | EXTERNAL REFERENCES:
: 81      0161 1 |
: 82      0162 1 |
: 83      0163 1 | EXTERNAL ROUTINE
: 84      0164 1 |     DSPEQL;

```



```

86 0165 1 %SBTTL 'PAGMRG -- Compare two page entries to see if they can be merged'
87 0166 1 GLOBAL ROUTINE PAGMRG (ENTRY1, ENTRY2) =
88 0167 1
89 0168 1
90 0169 1 ++
91 0170 1 FUNCTIONAL DESCRIPTION:
92 0171 1 Compare two page numbers to see if they are adjacent pages.
93 0172 1
94 0173 1 FORMAL PARAMETERS:
95 0174 1
96 0175 1 ENTRY1 and ENTRY2 are the page numbers to be compared.
97 0176 1
98 0177 1 IMPLICIT INPUTS:
99 0178 1
100 0179 1 NONE
101 0180 1
102 0181 1 IMPLICIT OUTPUTS:
103 0182 1
104 0183 1 NONE
105 0184 1
106 0185 1 ROUTINE VALUE:
107 0186 1 COMPLETION CODES:
108 0187 1
109 0188 1 TRUE - Specified page numbers are adjacent
110 0189 1 FALSE - Specified page numbers are not adjacent
111 0190 1
112 0191 1 SIDE EFFECTS:
113 0192 1
114 0193 1 NONE
115 0194 1
116 0195 1 --
117 0196 1
118 0197 2 BEGIN
119 0198 2
120 0199 2 MAP
121 0200 2 ENTRY1 : REF PAGE_DEFINITION,
122 0201 2 ENTRY2 : REF PAGE_DEFINITION;
123 0202 2
124 0203 2 |
125 0204 2 | Both entries must exist
126 0205 2 |
127 0206 2 | IF (.ENTRY1 EQL 0) OR (.ENTRY2 EQL 0) THEN RETURN FALSE;
128 0207 2 |
129 0208 2 |
130 0209 2 | By definition, you can't merge page numbers if
131 0210 2 | their display characteristics are different. Test for this.
132 0211 2 |
133 0212 2 | IF NOT DSPEQL (.ENTRY1, .ENTRY2) THEN RETURN FALSE;
134 0213 2 |
135 0214 2 |
136 0215 2 | Section type must match
137 0216 2 |
138 0217 2 | IF .ENTRY1 [SCT_TYP] NEQ .ENTRY2 [SCT_TYP] THEN RETURN FALSE;
139 0218 2 |
140 0219 2 |
141 0220 2 | Section number must always match
142 0221 2 |
```



```

143 0222 2 IF .ENTRY1 [SCT_NUMBER] NEQ .ENTRY2 [SCT_NUMBER] THEN RETURN FALSE;
144 0223 2
145 0224 2
146 0225 2 If sub-page exists, the page number must match and the sub-pages
147 0226 2 must differ only by 1
148 0227 2
149 0228 2 IF .ENTRY1 [SCT_SUB_PAGE] NEQ 0
150 0229 2 THEN
151 0230 2 BEGIN
152 0231 2
153 0232 2 IF .ENTRY1 [SCT_PAGE] NEQ .ENTRY2 [SCT_PAGE] THEN RETURN FALSE;
154 0233 2
155 0234 2 IF (.ENTRY1 [SCT_SUB_PAGE] NEQ .ENTRY2 [SCT_SUB_PAGE] - 1)
156 0235 2 AND (.ENTRY1 [SCT_SUB_PAGE] NEQ .ENTRY2 [SCT_SUB_PAGE])
157 0236 2 THEN
158 0237 2 RETURN FALSE;
159 0238 2
160 0239 2 RETURN TRUE
161 0240 2 END;
162 0241 2
163 0242 2
164 0243 2 If all else is OK, page numbers can differ only by 0 or 1
165 0244 2
166 0245 2 IF .ENTRY1 [SCT_PAGE] NEQ .ENTRY2 [SCT_PAGE] - 1
167 0246 2 THEN
168 0247 2 BEGIN
169 0248 2
170 0249 2 IF .ENTRY1 [SCT_PAGE] NEQ .ENTRY2 [SCT_PAGE] THEN RETURN FALSE;
171 0250 2 END;
172 0251 2
173 0252 2 RETURN TRUE;
174 0253 1 END;

```

!End of PAGMRG

.TITLE PAGMRG
.IDENT \V04-000\

.EXTRN DSPEQL

.PSECT \$CODE\$,NOWRT,2

```

.ENTRY PAGMRG, Save R2,R3
MOVL ENTRY1, R2
BEQL 4$
TSTL ENTRY2
BEQL 4$
MOVL ENTRY2, R3
PUSHR #^M<R2,R3>
CALLS #2, DSPEQL
BLBC R0, 4$
XORB3 (R2), (R3), R0
BITB R0, #15
BNEQ 4$
CMPL 4(R2), 4(R3)
BNEQ 4$
TSTW 2(R2)
BEQL 1$

```

```

52 04 AC D0 00002
5C 13 00006
08 AC D5 00008
57 13 0000B
53 08 AC D0 0000D
0C BB 00011
00000000G EF 02 FB 00013
47 50 E9 0001A
63 62 8D 0001D
OF 50 93 00021
3E 12 00024
04 A3 04 A2 D1 00026
37 12 0002B
02 A2 B5 0002D
1C 13 00030

```

```

: 0166
: 0206
:
: 0212
:
: 0217
:
: 0222
: 0228
:

```


PAGMRG
V04-000

PAGMRG -- Compare two page entries to see if th

E 3
16-Sep-1984 01:26:01
14-Sep-1984 13:07:42

VAX-11 Bliss-32 V4.0-742
[RUNOFF.SRC]PAGMRG.BLI;1

Page 5
(2)

50	02	A2	10	00	ED	0003F	CMPL	8(R2), 8(R3)	0232
				19	13	00045	BNEQ	4\$	
				02	A3	02	MOVZWL	2(R3), R0	0234
				50	D7	0003D	DECL	R0	
				02	A3	02	CMPZV	#0, #16, 2(R2), R0	
				08	A3	02	BEQL	3\$	0235
				50	01	C3	CMPW	2(R2), 2(R3)	
				08	A3	08	BRB	2\$	0245
				50	07	13	SUBL3	#1, 8(R3), R0	
				08	A3	08	CMPL	8(R2), R0	0249
				50	04	12	BEQL	3\$	
					01	D0	CMPW	8(R2), 8(R3)	0252
					04	00063	BNEQ	4\$	
					50	D4	MOVL	#1, R0	0253
					04	00066	RET	R0	

; Routine Size: 103 bytes, Routine Base: \$CODE\$ + 0000

; 175 0254 1
; 176 0255 1 END !End of module
; 177 0256 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	103	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.1

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:PAGMRG/OBJ=OBJ\$:PAGMRG MSRC\$:PAGMRG/UPDATE=(ENH\$:PAGMRG)
; Size: 103 code + 0 data bytes

PAGMRG
V04-000

PAGMRG -- Compare two page entries to see if th

F 3
16-Sep-1984 01:26:01

VAX-11 Bliss-32 V4.0-742

Page 6

; Run Time: 00:03.6
; Elapsed Time: 00:10.7
; Lines/CPU Min: 4290
; Lexemes/CPU-Min: 17145
; Memory Used: 50 pages
; Compilation Complete

0347

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